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USPT,PGPB,JPAB,EPAB,DWPI	I20 and I30	23	<a href="#">L31</a>
USPT,PGPB,JPAB,EPAB,DWPI	I29 and I8	187	<a href="#">L30</a>
USPT,PGPB,JPAB,EPAB,DWPI	physiological with temperature	3940	<a href="#">L29</a>
USPT,PGPB,JPAB,EPAB,DWPI	I25 and I7	36	<a href="#">L28</a>
USPT,PGPB,JPAB,EPAB,DWPI	I6 and I20	1	<a href="#">L27</a>
USPT,PGPB,JPAB,EPAB,DWPI	I20 and I25	1	<a href="#">L26</a>
USPT,PGPB,JPAB,EPAB,DWPI	I6 and I8	43	<a href="#">L25</a>
USPT,PGPB,JPAB,EPAB,DWPI	I23 and I20	18	<a href="#">L24</a>
USPT,PGPB,JPAB,EPAB,DWPI	(study or studying or investigate or investigating) with (temperature)	11109	<a href="#">L23</a>
USPT,PGPB,JPAB,EPAB,DWPI	I21 and I8	25	<a href="#">L22</a>
USPT,PGPB,JPAB,EPAB,DWPI	I20 and I18	53	<a href="#">L21</a>
USPT,PGPB,JPAB,EPAB,DWPI	(424/9.1)!.CCLS. or 424/9.3.ccls. or 424/9.32.ccls. or 424/9.321.ccls.	762	<a href="#">L20</a>
USPT,PGPB,JPAB,EPAB,DWPI	I18 and I6	2	<a href="#">L19</a>
USPT,PGPB,JPAB,EPAB,DWPI	(study or studying) same (temperature)	24673	<a href="#">L18</a>
USPT,PGPB,JPAB,EPAB,DWPI	I12 same I9	1	<a href="#">L17</a>
USPT,PGPB,JPAB,EPAB,DWPI	I15 same I8	12	<a href="#">L16</a>
USPT,PGPB,JPAB,EPAB,DWPI	I12 same I5	28	<a href="#">L15</a>
USPT,PGPB,JPAB,EPAB,DWPI	I13 same I7	2	<a href="#">L14</a>
USPT,PGPB,JPAB,EPAB,DWPI	I12 same I8	28	<a href="#">L13</a>
USPT,PGPB,JPAB,EPAB,DWPI	I2 same (I3 or I4)	5644	<a href="#">L12</a>
USPT,PGPB,JPAB,EPAB,DWPI	ultrasound	29897	<a href="#">L11</a>
USPT,PGPB,JPAB,EPAB,DWPI	focused ultrasound	461	<a href="#">L10</a>
USPT,PGPB,JPAB,EPAB,DWPI	cell adhesion molecule	2023	<a href="#">L9</a>
USPT,PGPB,JPAB,EPAB,DWPI	mri or magnetic resonance imaging or mr imaging	19505	<a href="#">L8</a>
USPT,PGPB,JPAB,EPAB,DWPI	temperature	2754334	<a href="#">L7</a>
USPT,PGPB,JPAB,EPAB,DWPI	prohance or omniscan or lipoid gmbh	77	<a href="#">L6</a>
USPT,PGPB,JPAB,EPAB,DWPI	paramagnetic	9311	<a href="#">L5</a>
USPT,PGPB,JPAB,EPAB,DWPI	phosphatidylcholine or phosphatidylglycerol or dipalmitoylphosphatidylcholine or dipalmitoylphosphatidyl glycerol or distearylphosphatidylcholine	771	<a href="#">L4</a>
USPT,PGPB,JPAB,EPAB,DWPI	phospholipid	22629	<a href="#">L3</a>
USPT,PGPB,JPAB,EPAB,DWPI	liposome or vesicle	30025	<a href="#">L2</a>
USPT,PGPB,JPAB,EPAB,DWPI	imaging	170544	<a href="#">L1</a>

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NEWS 5 Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File  
NEWS 6 Oct 22 Over 1 million reactions added to CASREACT  
NEWS 7 Oct 22 DGENE GETSIM has been improved  
NEWS 8 Oct 29 AAASD no longer available  
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NEWS 10 Nov 19 TOXCENTER(SM) - new toxicology file now available on STN  
NEWS 11 Nov 29 COPPERLIT now available on STN  
NEWS 12 Nov 29 DWPI revisions to NTIS and US Provisional Numbers  
NEWS 13 Nov 30 Files VETU and VETB to have open access  
NEWS 14 Dec 10 WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002  
NEWS 15 Dec 10 DGENE BLAST Homology Search  
NEWS 16 Dec 17 WELDASEARCH now available on STN  
NEWS 17 Dec 17 STANDARDS now available on STN  
NEWS 18 Dec 17 New fields for DPCI  
NEWS 19 Dec 19 CAS Roles modified  
NEWS 20 Dec 19 1907-1946 data and page images added to CA and CAPLUS  
NEWS 21 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web  
NEWS 22 Jan 25 Searching with the P indicator for Preparations  
NEWS 23 Jan 29 FSTA has been reloaded and moves to weekly updates  
  
NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,  
CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),  
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
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=> e fossheim s/au

E1	28	FOSSHEIM R/AU
E2	22	FOSSHEIM RUNE/AU
E3	9 -->	FOSSHEIM S/AU
E4	14	FOSSHEIM S L/AU
E5	2	FOSSHEIM SIGRID/AU
E6	7	FOSSHEIM SIGRID L/AU
E7	2	FOSSHEIM SIGRID LISE/AU
E8	4	FOSSHEIM T/AU
E9	6	FOSSHEIM TONJE/AU
E10	1	FOSSHEIRN S L/AU
E11	1	FOSSI A/AU
E12	15	FOSSI B C MONSIGNORI/AU

=> s e3 or e4 or e5 or e6 or e7 or e10

L1 35 "FOSSHEIM S"/AU OR "FOSSHEIM S L"/AU OR "FOSSHEIM SIGRID"/AU  
OR  
"FOSSHEIM SIGRID L"/AU OR "FOSSHEIM SIGRID LISE"/AU OR  
"FOSSHEIR  
N S L"/AU

=> e klaveness j/au

E1	13	KLAVENESS DAG/AU
E2	1	KLAVENESS ELISE/AU
E3	114 -->	KLAVENESS J/AU
E4	221	KLAVENESS JO/AU
E5	2	KLAVENESS K/AU
E6	2	KLAVENESS THORE M/AU
E7	1	KLAVENS DAG/AU
E8	2	KLAVENS DAVID/AU
E9	3	KLAVENS G S/AU
E10	1	KLAVENSES J/AU
E11	2	KLAVER/AU
E12	1	KLAVER A/AU

=> e e3 or e4 or e10

E1	1	E2ZZYYXX/BI
E2	29191	E3/BI

E3	0	--> E3 OR E4 OR E10/BI
E4	2	E3.0/BI
E5	1	E3.10/BI
E6	1	E3.10.4K/BI
E7	1	E3.2.1.21/BI
E8	4	E3.3/BI
E9	1	E3.39.214/BI
E10	2	E3.4/BI
E11	1	E3.49/BI
E12	41	E3.5/BI

=> e klaveness j/au

E1	13	KLAVENESS DAG/AU
E2	1	KLAVENESS ELISE/AU
E3	114	--> KLAVENESS J/AU
E4	221	KLAVENESS JO/AU
E5	2	KLAVENESS K/AU
E6	2	KLAVENESS THORE M/AU
E7	1	KLAVENS DAG/AU
E8	2	KLAVENS DAVID/AU
E9	3	KLAVENS G S/AU
E10	1	KLAVENSES J/AU
E11	2	KLAVER/AU
E12	1	KLAVER A/AU

=> s e3 or e4 or e10

L2 336 "KLAVENESS J"/AU OR "KLAVENESS JO"/AU OR "KLAVENSES J"/AU

=> e bjonerud a/au

E1	11	BJORNERSTEDT R/AU
E2	3	BJORNERSTEDT ROLF/AU
E3	27	--> BJORNERUD A/AU
E4	11	BJORNERUD ATLE/AU
E5	3	BJORNERUD B/AU
E6	5	BJORNERUD E K/AU
E7	1	BJORNERUD EGIL K/AU
E8	2	BJORNERUD M G/AU
E9	4	BJORNERUD T/AU
E10	1	BJORNESETH O/AU
E11	1	BJORNESETH OVE/AU
E12	61	BJORNESJO K B/AU

=> s e3 or e4

L3 38 "BJORNERUD A"/AU OR "BJORNERUD ATLE"/AU

=> e rongved p/au

E1	1	RONGVED M/AU
E2	2	RONGVED NG L P/AU
E3	38	--> RONGVED P/AU
E4	1	RONGVED P ANG AL/AU
E5	26	RONGVED P ANG L/AU
E6	1	RONGVED P ANGAL/AU
E7	7	RONGVED P ANGL/AU
E8	1	RONGVED P I/AU
E9	31	RONGVED PAAL/AU
E10	1	RONGVED PAEL/AU
E11	45	RONGVED PAL/AU
E12	1	RONGVED PANGL/AU

=> s e3 or e4 or e5 or e6 or e7 or e 11

L4 5778 E3 OR E4 OR E5 OR E6 OR E7 OR E 11

=> e golman k/au

E1	1	GOLMAN J J/AU
E2	1	GOLMAN JAMES E/AU
E3	240 -->	GOLMAN K/AU
E4	78	GOLMAN KLAES/AU
E5	1	GOLMAN LAWRENCE/AU
E6	1	GOLMAN LEV D/AU
E7	3	GOLMAN M/AU
E8	3	GOLMAN M E/AU
E9	1	GOLMAN R C/AU
E10	1	GOLMAN RAKIC PATRICIA S/AU
E11	1	GOLMAN ROBERT D/AU
E12	1	GOLMAN ROMAN/AU

=> s e3 or e4

L5 318 "GOLMAN K"/AU OR "GOLMAN KLAES"/AU

=> e skurtveit r/au

E1	2	SKURTVEIT K J/AU
E2	1	SKURTVEIT KRISTI JOHANNE/AU
E3	8 -->	SKURTVEIT R/AU
E4	34	SKURTVEIT ROALD/AU
E5	23	SKURTVEIT S/AU
E6	8	SKURTVEIT SVETLANA/AU
E7	1	SKURVIET R/AU
E8	3	SKURULE A V/AU
E9	1	SKURUPAFIS K/AU
E10	3	SKURUPAFIS K A/AU
E11	1	SKURUPIJ V A/AU
E12	1	SKURVE HELGE/AU

=> s e3 or e4

L6 42 "SKURTVEIT R"/AU OR "SKURTVEIT ROALD"/AU

=> s particulate

L7 248334 PARTICULATE

=> s imaging

L8 791566 IMAGING

=> s physiological parameter

L9 1071 PHYSIOLOGICAL PARAMETER

=> s vesicle or liposome

L10 176596 VESICLE OR LIPOSOME

=> d his

(FILE 'HOME' ENTERED AT 14:08:07 ON 30 JAN 2002)

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 14:08:29 ON 30 JAN 2002

		E FOSSHEIM S/AU
L1	35 S	E3 OR E4 OR E5 OR E6 OR E7 OR E10
		E KLAVENESS J/AU
		E E3 OR E4 OR E10
		E KLAVENESS J/AU
L2	336 S	E3 OR E4 OR E10

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          E BJORNERUD A/AU
L3          38 S E3 OR E4
          E RONGVED P/AU
L4          5778 S E3 OR E4 OR E5 OR E6 OR E7 OR E 11
          E GOLMAN K/AU
L5          318 S E3 OR E4
          E SKURTVEIT R/AU
L6          42 S E3 OR E4
L7          248334 S PARTICULATE
L8          791566 S IMAGING
L9          1071 S PHYSIOLOGICAL PARAMETER
L10         176596 S VESICLE OR LIPOSOME

=> s l1 or l2 or l3 or l4 or l5 or l6
L11         6393 L1 OR L2 OR L3 OR L4 OR L5 OR L6

=> s l11 and l7 and l8 and l9 and l10
L12         0 L11 AND L7 AND L8 AND L9 AND L10

=> s l11 and l8
L13         549 L11 AND L8

=> s l13 and temperature
L14         214 L13 AND TEMPERATURE

=> dup rem l14
PROCESSING COMPLETED FOR L14
L15         210 DUP REM L14 (4 DUPLICATES REMOVED)

=> s l15 and paramagnetic
L16         79 L15 AND PARAMAGNETIC

=> s l16 and (mri or magnetic resonance imaging or mr imaging)
L17         65 L16 AND (MRI OR MAGNETIC RESONANCE IMAGING OR MR IMAGING)

=> l17 and (phospholipid or phospholipids)
L17 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l17 and (phospholipid or phospholipids)
L18         24 L17 AND (PHOSPHOLIPID OR PHOSPHOLIPIDS)

=> d ibib abs

L18 ANSWER 1 OF 24  USPATFULL
ACCESSION NUMBER:    2001:231041  USPATFULL
TITLE:              Targeted diagnostic/therapeutic agents having more
than
INVENTOR(S):        one different vectors
                    Klaveness, Jo, Olso, Norway
                    Rongved, P.ang.l, Olso, Norway
                    H.o slashed.gset, Anders, Olso, Norway
                    Tolleshaug, Helge, Olso, Norway
                    Cuthbertson, Alan, Olso, Norway
                    Hoff, Lars, Olso, Norway
                    Bryn, Klaus, Olso, Norway
                    Hellebust, Halldis, Olso, Norway
                    Solbakken, Magne, Olso, Norway

```

PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6331289	B1	20011218
APPLICATION INFO.:	US 1997-959206		19971028 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-22366	19961028
	GB 1996-22369	19961028
	GB 1997-2195	19970204
	GB 1997-8265	19970424
	GB 1997-11837	19970606
	GB 1997-11839	19970606
	US 1997-49263	19970606 (60)
	US 1997-49266	19970607 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Hartley, Michael G.  
LEGAL REPRESENTATIVE: Bacon & Thomas  
NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)  
LINE COUNT: 4091

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Targetable diagnostic and/or therapeutically active agents, e.g. ultrasound contrast agents, comprising a suspension in an aqueous carrier liquid of a reporter comprising gas-containing or gas-generating material, said agent being capable of forming at least two types of binding pairs with a target.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 2 ibib abs

L18 ANSWER 2 OF 24 USPATFULL

ACCESSION NUMBER: 2001:160695 USPATFULL  
TITLE: Light **imaging** contrast agents  
INVENTOR(S): Klaveness, Jo, Nycoveien, Norway  
Fuglass, Bjorn, Nycoveien, Norway  
Rongved, Pal, Nycoveien, Norway  
Johannesen, Edvin, Nycoveien, Norway  
Henrichs, Paul Mark, Wayne, PA, United States  
Gunther, Wolfgang Hans Heinrich, Wayne, PA, United States  
Bacon, Edward Richard, Wayne, PA, United States  
Toner, John Luke, Wayne, PA, United States  
McIntire, Gregory Lynn, Wayne, PA, United States  
Desai, Vinay C., Pheonixville, PA, United States  
PATENT ASSIGNEE(S): Nycomed Imaging AS, a Oslo, Norway Corporation (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001022963	A1	20010920
APPLICATION INFO.:	US 2000-732917	A1	20001211 (9)



RELATED APPLN. INFO.: Continuation of Ser. No. US 1997-984771, filed on 4 Dec 1997, GRANTED, Pat. No. US 6159445

Continuation-in-part of Ser. No. US 1997-875645, filed on 17 Dec 1997, ABANDONED A 371 of International Ser. No. WO 1996-GB222, filed on 2 Feb 1996, UNKNOWN

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HAROLD H. FOX, Fish & Richardson P.C., 601 Thirteenth Street, NW, Washington, DC, 20005

NUMBER OF CLAIMS: 34

EXEMPLARY CLAIM: 1

LINE COUNT: 1689

AB The present invention relates to the use of particulate materials as contrast agents in in vivo light **imaging**.

=> d 3 ibib abs

L18 ANSWER 3 OF 24 USPATFULL

ACCESSION NUMBER: 2001:139545 USPATFULL

TITLE: Contrast agents

INVENTOR(S): Klaveness, Jo, Oslo, Norway  
Navested, Anne, Oslo, Norway  
Cuthbertson, Alan, Oslo, Norway

PATENT ASSIGNEE(S): NYCOMED IMAGING AS (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001016587	A1	20010823
APPLICATION INFO.:	US 2001-785177	A1	20010220 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-300434, filed on 28 Apr 1999, PENDING Continuation of Ser. No. WO 1997-GB2956, filed on 28 Oct 1997, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-22368	19961028
	GB 1996-22365	19961028
	GB 1996-22364	19961028
	GB 1996-22369	19961028
	GB 1996-22366	19961028
	GB 1996-22367	19961028
	GB 1997-699	19970115
	GB 1997-2195	19970204
	GB 1997-6063	19970324
	US 1997-58247	19970909 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BACON & THOMAS, PLLC, 625 Slaters Lane, 4th Floor, Alexandria, VA, 22314-1176	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	2376	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB The invention provides a composition of matter of the formula (I):  
V--L--R where V is an organic group having binding affinity for an

a angiotensin II receptor site, L is a linker moiety or a bond, and R is  
 moiety detectable in in vivo **imaging** of a human or animal  
 body, with the provisos that where V is angiotensin or a peptidic  
 angiotensin derivative or analog then V--L--R is other than a non-metal  
 radionuclide substituted peptide (e.g. .sup.125I substituted  
 angiotensin  
 II) and L--V is other than simply a peptide with a chelating agent  
 amide  
 bonded to a side chain thereof. This composition of matter may be used  
 to image cardiovascular diseases and disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 4 ibib abs

L18 ANSWER 4 OF 24 USPATFULL

ACCESSION NUMBER: 2001:130842 USPATFULL  
 TITLE: Dry microparticles for use as a contrast agent  
 INVENTOR(S): Dugstad, Harald, Oslo, Norway  
 Foss, Per Antonius, Oslo, Norway  
 Klaveness, Jo, Oslo, Norway  
 Rongved, P.ang.l, Nesoddtangen, Norway  
 Skurtveit, Roald, Oslo, Norway  
 Solberg, Jan, Eiksmarka, Norway  
 Aukrust, Inger Reidun Fjeldskaar, Lier, Norway  
 PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S.  
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6274120	B1	20010814
APPLICATION INFO.:	US 1999-418019		19991014 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-468741, filed on 6 Jun 1995, now abandoned Continuation of Ser. No. WO 1995-GB316, filed on 15 Feb 1995		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1994-2867	19940215
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Hartley, Michael G.	
LEGAL REPRESENTATIVE:	Ronning, Jr., Royal N.	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	924	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Microparticulate contrast agents comprising gas or a gas precursor  
 encapsulated by a non-polymeric and non-polymerisable wall-forming  
 material are readily characterisable materials exhibiting surprising  
 structural integrity and stability.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 5 ibib abs

L18 ANSWER 5 OF 24 USPATFULL

ACCESSION NUMBER: 2001:123303 USPATFULL  
TITLE: Contrast agents  
INVENTOR(S): Dugstad, Harald, Oslo, Norway  
Klaveness, Jo, Oslo, Norway  
Rongved, Pal, Oslo, Norway  
Skurtveit, Roald, Oslo, Norway  
Braenden, Jorunn, Oslo, Norway

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001010811	A1	20010802
APPLICATION INFO.:	US 2001-783793	A1	20010215 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-136410, filed on 19 Aug 1998, GRANTED, Pat. No. US 6221337 Continuation of Ser. No. WO 1997-GB459, filed on 19 Feb 1997, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-3466	19960219
	GB 1996-11894	19960607
	GB 1996-25663	19961211
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Amersham Pharmacia Biotech, Inc., 800 Centennial Avenue, Piscataway, NJ, 08855	
NUMBER OF CLAIMS:	100	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	1359	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Microbubble dispersions stabilized by **phospholipids** predominantly comprising molecules which individually have an overall net charge exhibit advantageous stability, rendering them useful as efficacious contrast agents. An improved process for preparing microbubble-containing contrast agents is also disclosed, this comprising lyophilising an aqueous dispersion of gas microbubbles stabilized by one or more membrane-forming lipids to yield a dried product which may be reconstituted in an injectable carrier liquid to generate a microbubble-containing contrast agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 6 ibib abs

L18 ANSWER 6 OF 24 USPATFULL

ACCESSION NUMBER: 2001:116526 USPATFULL  
TITLE: Targeted ultrasound contrast agents  
INVENTOR(S): Klaveness, Jo, Oslo, Norway  
Rongved, P.ang.l, Oslo, Norway  
L.o slashed.vhaug, Dagfinn, Oslo, Norway  
PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6264917	B1	20010724
APPLICATION INFO.:	US 1997-958993		19971028 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-22366	19961028
	GB 1996-22367	19961028
	GB 1996-22368	19961028
	GB 1997-699	19970115
	GB 1997-8265	19970424
	GB 1997-11842	19970606
	GB 1997-11846	19970606
	US 1997-49264	19970607 (60)
	US 1997-49268	19970607 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Hartley, Michael G.	
LEGAL REPRESENTATIVE:	Bacon & Thomas	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	5477	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Targetable diagnostic and/or therapeutically active agents, e.g. ultrasound contrast agents, having reporters comprising gas-filled microbubbles stabilised by monolayers of film-forming surfactants, the reporter being coupled or linked to at least one vector.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 14:08:07 ON 30 JAN 2002)

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 14:08:29 ON 30 JAN 2002

	E FOSSHEIM S/AU
L1	35 S E3 OR E4 OR E5 OR E6 OR E7 OR E10
	E KLAVENESS J/AU
	E E3 OR E4 OR E10
	E KLAVENESS J/AU
L2	336 S E3 OR E4 OR E10
	E BJORNERUD A/AU
L3	38 S E3 OR E4
	E RONGVED P/AU
L4	5778 S E3 OR E4 OR E5 OR E6 OR E7 OR E 11
	E GOLMAN K/AU
L5	318 S E3 OR E4
	E SKURTVEIT R/AU
L6	42 S E3 OR E4
L7	248334 S PARTICULATE
L8	791566 S IMAGING
L9	1071 S PHYSIOLOGICAL PARAMETER
L10	176596 S VESICLE OR LIPOSOME
L11	6393 S L1 OR L2 OR L3 OR L4 OR L5 OR L6
L12	0 S L11 AND L7 AND L8 AND L9 AND L10
L13	549 S L11 AND L8
L14	214 S L13 AND TEMPERATURE
L15	210 DUP REM L14 (4 DUPLICATES REMOVED)
L16	79 S L15 AND PARAMAGNETIC
L17	65 S L16 AND (MRI OR MAGNETIC RESONANCE IMAGING OR MR IMAGING)
L18	24 S L17 AND (PHOSPHOLIPID OR PHOSPHOLIPIDS)

=> s 118 and 19  
L19 0 L18 AND L9

=> s 118 and heat  
L20 12 L18 AND HEAT

=> d ibib abs

L20 ANSWER 1 OF 12 USPATFULL

ACCESSION NUMBER: 2001:231041 USPATFULL  
TITLE: Targeted diagnostic/therapeutic agents having more  
than

one different vectors  
INVENTOR(S): Klaveness, Jo, Olso, Norway  
Rongved, P.ang.l, Olso, Norway  
H.o slashed.gset, Anders, Olso, Norway  
Tolleshaug, Helge, Olso, Norway  
Cuthbertson, Alan, Olso, Norway  
Hoff, Lars, Olso, Norway  
Bryn, Klaus, Olso, Norway  
Hellebust, Halldis, Olso, Norway  
Solbakken, Magne, Olso, Norway  
PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6331289	B1	20011218
APPLICATION INFO.:	US 1997-959206		19971028 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-22366	19961028
	GB 1996-22369	19961028
	GB 1997-2195	19970204
	GB 1997-8265	19970424
	GB 1997-11837	19970606
	GB 1997-11839	19970606
	US 1997-49263	19970606 (60)
	US 1997-49266	19970607 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Hartley, Michael G.  
LEGAL REPRESENTATIVE: Bacon & Thomas  
NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)  
LINE COUNT: 4091

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Targetable diagnostic and/or therapeutically active agents, e.g.  
ultrasound contrast agents, comprising a suspension in an aqueous  
carrier liquid of a reporter comprising gas-containing or  
gas-generating  
material, said agent being capable of forming at least two types of  
binding pairs with a target.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 2 ibib abs

L20 ANSWER 2 OF 12 USPATFULL

ACCESSION NUMBER: 2001:160695 USPATFULL  
TITLE: Light **imaging** contrast agents  
INVENTOR(S): **Klaveness, Jo**, Nycoveien, Norway  
Fuglass, Bjorn, Nycoveien, Norway  
Rongved, Pal, Nycoveien, Norway  
Johannesen, Edvin, Nycoveien, Norway  
Henrichs, Paul Mark, Wayne, PA, United States  
Gunther, Wolfgang Hans Heinrich, Wayne, PA, United States  
Bacon, Edward Richard, Wayne, PA, United States  
Toner, John Luke, Wayne, PA, United States  
McIntire, Gregory Lynn, Wayne, PA, United States  
Desai, Vinay C., Pheonixville, PA, United States  
PATENT ASSIGNEE(S): Nycomed Imaging AS, a Oslo, Norway Corporation  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001022963	A1	20010920
APPLICATION INFO.:	US 2000-732917	A1	20001211 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1997-984771, filed on 4 Dec 1997, GRANTED, Pat. No. US 6159445		
Continuation-in-part	of Ser. No. US 1997-875645, filed on 17 Dec 1997, ABANDONED A 371 of International Ser. No. WO 1996-GB222, filed on 2 Feb 1996, UNKNOWN		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HAROLD H. FOX, Fish & Richardson P.C., 601 Thirteenth Street, NW, Washington, DC, 20005		
NUMBER OF CLAIMS:	34		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1689		
AB	The present invention relates to the use of particulate materials as contrast agents in in vivo light <b>imaging</b> .		

=> d 3 ibib abs

L20 ANSWER 3 OF 12 USPATFULL

ACCESSION NUMBER: 2001:123303 USPATFULL  
TITLE: Contrast agents  
INVENTOR(S): Dugstad, Harald, Oslo, Norway  
**Klaveness, Jo**, Oslo, Norway  
Rongved, Pal, Oslo, Norway  
**Skurtveit, Roald**, Oslo, Norway  
Braenden, Jorunn, Oslo, Norway

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001010811	A1	20010802
APPLICATION INFO.:	US 2001-783793	A1	20010215 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-136410, filed on 19 Aug 1998, GRANTED, Pat. No. US 6221337 Continuation of Ser. No. WO 1997-GB459, filed on 19 Feb 1997, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-3466	19960219
	GB 1996-11894	19960607
	GB 1996-25663	19961211
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Amersham Pharmacia Biotech, Inc., 800 Centennial Avenue, Piscataway, NJ, 08855	
NUMBER OF CLAIMS:	100	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	1359	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Microbubble dispersions stabilized by **phospholipids** predominantly comprising molecules which individually have an overall net charge exhibit advantageous stability, rendering them useful as efficacious contrast agents. An improved process for preparing microbubble-containing contrast agents is also disclosed, this comprising lyophilising an aqueous dispersion of gas microbubbles stabilized by one or more membrane-forming lipids to yield a dried product which may be reconstituted in an injectable carrier liquid to generate a microbubble-containing contrast agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 4 ibib abs

L20 ANSWER 4 OF 12 USPATFULL

ACCESSION NUMBER: 2001:116526 USPATFULL  
 TITLE: Targeted ultrasound contrast agents  
 INVENTOR(S): Klaveness, Jo, Oslo, Norway  
 Rongved, P.ang.l, Oslo, Norway  
 L.o slashed.vhaug, Dagfinn, Oslo, Norway  
 PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6264917	B1	20010724
APPLICATION INFO.:	US 1997-958993		19971028 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-22366	19961028
	GB 1996-22367	19961028
	GB 1996-22368	19961028
	GB 1997-699	19970115
	GB 1997-8265	19970424
	GB 1997-11842	19970606
	GB 1997-11846	19970606
	US 1997-49264	19970607 (60)
	US 1997-49268	19970607 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Hartley, Michael G.	
LEGAL REPRESENTATIVE:	Bacon & Thomas	
NUMBER OF CLAIMS:	17	

EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)  
 LINE COUNT: 5477  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB Targetable diagnostic and/or therapeutically active agents, e.g. ultrasound contrast agents, having reporters comprising gas-filled microbubbles stabilised by monolayers of film-forming surfactants, the reporter being coupled or linked to at least one vector.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 5 ibib abs

L20 ANSWER 5 OF 12 USPATFULL

ACCESSION NUMBER: 2001:111808 USPATFULL  
 TITLE: Diagnostic/therapeutic agents having microbubbles coupled to one or more vectors  
 INVENTOR(S): Klaveness, Jo, Oslo, Norway

Rongved, P.ang.l, Oslo, Norway  
 H.o slashed.gset, Anders, Oslo, Norway  
 Tolleshaug, Helge, Oslo, Norway  
 N.ae buttet.vestad, Anne, Oslo, Norway  
 Hellebust, Halldis, Oslo, Norway  
 Hoff, Lars, Oslo, Norway  
 Cuthbertson, Alan, Oslo, Norway  
 L.o slashed.vhaug, Dagfinn, Oslo, Norway  
 Solbakken, Magne, Oslo, Norway

PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6261537	B1	20010717
APPLICATION INFO.:	US 1997-960054		19971029 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1997-958993, filed on 28 Oct 1997		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-22366	19961028
	GB 1996-22367	19961028
	GB 1996-22368	19961028
	GB 1997-699	19970115
	GB 1997-8265	19970424
	GB 1997-11842	19970606
	GB 1997-11846	19970606
	US 1997-49264	19970607 (60)
	US 1997-49265	19970607 (60)
	US 1997-49268	19970607 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: GRANTED  
 PRIMARY EXAMINER: Hartley, Michael G.  
 LEGAL REPRESENTATIVE: Bacon & Thomas, Fichter, Richard E.  
 NUMBER OF CLAIMS: 22  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)  
 LINE COUNT: 5614

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Targetable diagnostic and/or therapeutically active agents, e.g.



ultrasound contrast agents, having reporters comprising gas-filled microbubbles stabilised by monolayers of film-forming surfactants, the reporter being coupled or linked to at least one vector.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 6 ibib abs

L20 ANSWER 6 OF 12 USPATFULL

ACCESSION NUMBER: 2001:59361 USPATFULL  
TITLE: Microbubbles surrounded by a monolayer of negatively charged **phospholipids** as contrast agents  
INVENTOR(S): Dugstad, Harald, Oslo, Norway  
Klaveness, Jo, Oslo, Norway  
Rongved, P.ang.l, Oslo, Norway  
Skurtveit, Roald, Oslo, Norway  
Br. ae buttend. nden, Jorunn, Oslo, Norway  
PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6221337	B1	20010424
APPLICATION INFO.:	US 1998-136410		19980819 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1997-GB459, filed on 19 Feb 1997		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-3466	19960219
	GB 1996-11894	19960607
	GB 1996-25663	19961211
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Hartley, Michael G.	
LEGAL REPRESENTATIVE:	Bacon & Thomas	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	1020	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Microbubble dispersions stabilised by **phospholipids** predominantly comprising molecules which individually have an overall net charge exhibit advantageous stability, rendering them useful as efficacious contrast agents. An improved process for preparing microbubble-containing contrast agents is also disclosed, this comprising lyophilising an aqueous dispersion of gas microbubbles stabilised by one or more membrane-forming lipids to yield a dried product which may be reconstituted in an injectable carrier liquid to generate a microbubble-containing contrast agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 7 ibib abs

L20 ANSWER 7 OF 12 USPATFULL

ACCESSION NUMBER: 2001:55428 USPATFULL

TITLE: Method of making lyophilized microbubble compositions  
useful as contrast agents

INVENTOR(S): Dugstad, Harald, Oslo, Norway  
Klaveness, Jo, Oslo, Norway  
Rongved, P.ang.l, Oslo, Norway  
Skurtveit, Roald, Oslo, Norway  
Braenden, Jorunn, Oslo, Norway

PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6217850	B1	20010417
APPLICATION INFO.:	US 1998-84105		19980526 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 776647, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1995-11488	19950607
	GB 1996-3466	19960219
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Hartley, Michael G.	
LEGAL REPRESENTATIVE:	Bacon & Thomas	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	1113	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Microbubble dispersions stabilised by **phospholipids**  
predominantly comprising molecules which individually have an overall  
net charge exhibit advantageous stability, rendering them useful both  
as

efficacious contrast agents per se and as intermediates in the  
preparation of contrast agents wherein the **phospholipids** are  
crosslinked or polymerised. An improved process for preparing  
microbubble-containing contrast agents is also disclosed, this  
comprising lyophilising an aqueous dispersion of gas microbubbles  
stabilised by one or more membrane-forming lipids to yield a dried  
product which may be reconstituted in an injectable carrier liquid to  
generate a microbubble-containing contrast agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 8ibib abs

'8IBIB' IS NOT A VALID FORMAT FOR FILE 'USPATFULL'

The following are valid formats:

The default display format is STD.

ABS ----- AB

ALL ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,  
RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,  
DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,  
INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,  
EXF, ARTU

ALLG ----- ALL plus PAGE.DRAW

BIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD, RLI,

PRAI, DT, FS, EXNAM, LREP, CLMN, ECL, DRWN, LN.CNT  
 BIB.EX ----- BIB for original and latest publication  
 BIBG ----- BIB plus PAGE.DRAW  
 BROWSE ----- See "HELP BROWSE" or "HELP DISPLAY BROWSE". BROWSE must  
 entered on the same line as DISPLAY, e.g., D BROWSE.  
 CAS ----- OS, CC, SX, ST, IT  
 CBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PRAI, DT, FS  
 DALL ----- ALL, delimited for post-processing  
 FP ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI, RLI,  
 PRAI, IC, ICM, ICS, INCL, INCLM, INCLS, NCL,  
 NCLM, NCLS, EXF, REP, REN, ARTU, EXNAM, LREP,  
 CLMN, DRWN, AB  
 FP.EX ----- FP for original and latest publication  
 FPALL ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI,  
 RLI, PRAI, IC, ICM, ICS, INCL, INCLM, INCLS, NCL, NCLM,  
 NCLS, EXF, REP, REN, ARTU, EXNAM, LREP, CLMN, DRWN, AB,  
 PARN, SUMM, DRWD, DETD, CLM  
 FPBIB ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI,  
 RLI, PRAI, REP, REN, EXNAM, LREP, CLM, CLMN, DRWN  
 FHITSTR ----- HIT RN, its text modification, its CA index name, and  
 its structure diagram  
 FPG ----- FP plus PAGE.DRAW  
 GI ----- PN and page image numbers  
 HIT ----- All fields containing hit terms  
 HITRN ----- HIT RN and its text modification  
 HITSTR ----- HIT RN, its text modification, its CA index name, and  
 its structure diagram  
 IABS ----- ABS, indented with text labels  
 IALL ----- ALL, indented with text labels  
 IALLG ----- IALL plus PAGE.DRAW  
 IBIB ----- BIB, indented with text labels  
 IBIB.EX ----- IBIB for original and latest publication  
 IBIBG ----- IBIB plus PAGE.DRAW  
 IMAX ----- MAX, indented with text labels  
 IMAX.EX ----- IMAX for original and latest publication  
 IND ----- INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,  
 EXF, ARTU, OS, CC, SX, ST, IT  
 ISTD ----- STD, indented with text labels  
 KWIC ----- All hit terms plus 20 words on either side  
 MAX ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,  
 RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,  
 DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,  
 INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,  
 EXF, ARTU OS, CC, SX, ST, IT  
 MAX.EX ----- MAX for original and latest publication  
 OCC ----- List of display fields containing hit terms  
 SBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,  
 DT, FS, LN.CNT  
 SCAN ----- AN, TI, NCL, NCLM, NCLS, IC, ICM, ICS (random display  
 without answer number. SCAN must be entered on the  
 same line as DISPLAY, e.g., D SCAN)  
 STD ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,  
 DT, FS, LN.CNT, INCL, INCLM, INCLS, NCL, NCLM, NCLS,  
 IC, ICM, ICS, EXF (STD is the default)  
 STD.EX ----- STD for original and latest publication  
 TRIAL ----- AN, TI, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC,  
 ICM, ICS

ENTER DISPLAY FORMAT (STD):

L20 ANSWER 1 OF 12 USPATFULL  
 AN 2001:231041 USPATFULL  
 TI Targeted diagnostic/therapeutic agents having more than one different  
 vectors  
 IN **Klaveness, Jo**, Olso, Norway  
**Rongved, P.ang.l**, Olso, Norway  
 H.o slashed.gset, Anders, Olso, Norway  
 Tolleshaug, Helge, Olso, Norway  
 Cuthbertson, Alan, Olso, Norway  
 Hoff, Lars, Olso, Norway  
 Bryn, Klaus, Olso, Norway  
 Hellebust, Halldis, Olso, Norway  
 Solbakken, Magne, Olso, Norway  
 PA Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)  
 PI US 6331289 B1 20011218  
 AI US 1997-959206 19971028 (8)  
 PRAI GB 1996-22366 19961028  
 GB 1996-22369 19961028  
 GB 1997-2195 19970204  
 GB 1997-8265 19970424  
 GB 1997-11837 19970606  
 GB 1997-11839 19970606  
 US 1997-49263 19970606 (60)  
 US 1997-49266 19970607 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 4091  
 INCL INCLM: 424/009.520  
 INCLS: 424/001.210; 424/009.400; 424/009.600; 424/450.000  
 NCL NCLM: 424/009.520  
 NCLS: 424/001.210; 424/009.400; 424/009.600; 424/450.000  
 IC [7]  
 ICM: A61B008-00  
 ICS: A61K051-00; A61K009-127  
 EXF 424/9.52; 424/9.51; 424/9.5; 424/450; 424/489; 424/498; 424/499;  
 424/502; 424/1.21; 424/9.4; 424/9.6; 424/9.1; 530/300; 530/324;  
 530/326;  
 530/327; 514/14  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 8 ibib abs

L20 ANSWER 8 OF 12 USPATFULL  
 ACCESSION NUMBER: 2000:167493 USPATFULL  
 TITLE: Light **imaging** contrast agents  
 INVENTOR(S): **Klaveness, Jo**, Oslo, Norway  
**Fuglass, Bjorn**, Oslo, Norway  
**Rongved, P.ang.al**, Oslo, Norway  
**Johannesen, Edvin**, Oslo, Norway  
**Henrichs, Paul Mark**, Wayne, PA, United States  
**Heinrich, Wolfgang Hans**, Wayne, PA, United States  
**Bacon, Edward Richard**, Wayne, PA, United States  
**Toner, John Luke**, Wayne, PA, United States  
**McIntire, Gregory Lynn**, Wayne, PA, United States  
**Desai, Vinay C.**, Pheonixville, PA, United States  
 PATENT ASSIGNEE(S): Nycomed Imaging AS, Norway (non-U.S. corporation)

NUMBER KIND DATE

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PATENT INFORMATION: US 6159445 20001212  
 APPLICATION INFO.: US 1997-984771 19971204 (8)  
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 875645  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Dees, Jose G.  
 ASSISTANT EXAMINER: Hartley, Michael G.  
 LEGAL REPRESENTATIVE: Fish & Richardson P.C.  
 NUMBER OF CLAIMS: 23  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 1654  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB The present invention relates to the use of particulate materials as  
 contrast agents in vivo light **imaging**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 9 ibib abs

L20 ANSWER 9 OF 12 USPATFULL  
 ACCESSION NUMBER: 1998:98592 USPATFULL  
 TITLE: Contrast agents comprising gas-containing or  
 gas-generating microparticles or microballoons  
 INVENTOR(S): **Klaveness, Jo**, Oslo, Norway  
 Redford, Keith, Hagan, Norway  
**Rongved, P.ang.1**, Hellvik, Norway  
 Solberg, Jan, Eiksmarka, Norway  
 Strande, Per, Oslo, Norway  
 Wiggen, Unni Nordby, Rasta, Norway  
 PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S.  
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5795562		19980818
	WO 9317718		19930916
APPLICATION INFO.:	US 1995-284464		19950117 (8)
	WO 1993-GB470		19930305
			19950117 PCT 371 date
			19950117 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1992-4918	19920306
	GB 1992-4920	19920306
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Hollinden, Gary E.	
ASSISTANT EXAMINER:	Hartley, Michael G.	
LEGAL REPRESENTATIVE:	Bacon & Thomas	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	2359	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB The present invention relates to contrast agents comprising  
 gas-containing or gas-generating polymer microparticles and/or  
 microballoons, in which the polymer is a biodegradable polymer

containing units of formula  $[-(O).sub.m -CO-O-C(R.sup.1 R.sup.2)-O-CO-(O).sub.n -]$  . R.sup.1 and R.sup.2 each represent hydrogen or a carbon-attached monovalent organic group, or together form a carbon-attached divalent organic group, and m and n are each independently zero or one. The contrast agents may be used in diagnostic applications such as ultrasound and **MR imaging**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 10 ibib abs

L20 ANSWER 10 OF 12 USPATFULL

ACCESSION NUMBER: 97:93869 USPATFULL

TITLE: Liposomes

INVENTOR(S): **Klaveness, Jo**, Oslo, Norway .  
Berg, Arne, Sandvika, Norway  
Jacobsen, Trond Vegard, Oslo, Norway  
Rongved, Pal, Nesoddtangen, Norway  
Ege, Thorfinn, Tranby, Norway  
Kikuchi, Hiroshi, Tokyo, Japan  
Yachi, Kiyoto, Tokyo, Japan  
PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)

Daiichi Pharmaceutical Co., Ltd., Tokyo, Japan  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5676928		19971014
APPLICATION INFO.:	US 1995-468743		19950606 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1994-57480	19940328
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kishore, Gollamudi S.	
LEGAL REPRESENTATIVE:	Bacon & Thomas	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	963	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a diagnostic composition for administration to human or animal subjects, the composition containing multilamellar liposomes, optionally together with unilamellar liposomes, the liposomes

containing at least one **imaging** agent and being suspended in an aqueous medium containing said **imaging** agent, wherein the liposomes comprise a neutral **phospholipid** and a charged **phospholipid**, the average particle diameter of the liposomes is 50-3000 nm and the concentration of **imaging** agent in any aqueous phase filling the interior of the liposomes is substantially the same as that in the aqueous medium in which the liposomes are suspended.

The contrast agents concerned are typically X-ray, **MRI** or ultrasound contrast agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 11 ibib abs

L20 ANSWER 11 OF 12 USPATFULL

ACCESSION NUMBER: 97:93866 USPATFULL

TITLE: Contrast agents comprising gas-containing or gas-generating polymer microparticles or microballoons

INVENTOR(S): Klaveness, Jo, Oslo, Norway  
Rongved, P.ang.1, Hellvik, Norway

Solberg, Jan, Eiksmarka, Norway

Strande, Per, Oslo, Norway

Wiggen, Unni Nordby, Rasta, Norway

Redford, Keith, Hagan, Norway

PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5676925		19971014
APPLICATION INFO.:	US 1995-478034		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-301002, filed on 6 Sep 1994 which is a continuation-in-part of Ser. No. US 1994-284464, filed on 15 Aug 1994		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1992-4918	19920306
	GB 1992-4920	19920306
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Mullis, Jeffrey C.	
LEGAL REPRESENTATIVE:	Bacon & Thomas	
NUMBER OF CLAIMS:	50	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	3055	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Contrast agents comprising gas-containing or gas-generating polymer microparticles and/or microballoons, in which the polymer is a biodegradable polymer containing units of formula

--(O).sub.m --CO--O--C(R.sup.1 R.sup.2)--O--CO--(O).sub.n --

(wherein R.sup.1 and R.sup.2 each represent hydrogen or a carbon-attached monovalent organic group or together form a carbon-attached divalent organic group, and m and n are each independently zero or one) may be used in diagnostic applications such as ultrasound and MR imaging.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L20 ANSWER 12 OF 12 USPATFULL

ACCESSION NUMBER: 97:91141 USPATFULL

TITLE: Contrast agents comprising gas-containing or

INVENTOR(S): gas-generating polymer microparticles or microballoons  
**Klaveness, Jo**, Oslo, Norway  
 Rongved, Pal, Hellvik, Norway  
 Solberg, Jan, Eiksmarka, Norway  
 Strande, Per, Oslo, Norway  
 Wiggen, Unni Nordby, Rasta, Norway  
 Redford, Keith, Hagan, Norway  
 PATENT ASSIGNEE(S): Nycomed Imaging AS, Oslo, Norway (non-U.S.  
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5674468		19971007
APPLICATION INFO.:	US 1994-301002		19940906 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-284464, filed on 15 Aug 1994		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1992-4918	19920306
	GB 1992-4920	19920306
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Mullis, Jeffrey	
LEGAL REPRESENTATIVE:	Bacon & Thomas	
NUMBER OF CLAIMS:	25	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	2974	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Contrast agents comprising gas-containing or gas-generating polymer microparticles and/or microballoons, in which the polymer is a biodegradable polymer containing units of formula

--(O).sub.m --CO--O--C(R.sup.1 R.sup.2)--O--CO--(O).sub.n --

(wherein R.sup.1 and R.sup.2 each represent hydrogen or a carbon-attached monovalent organic group or together form a carbon-attached divalent organic group, and m and n are each independently zero or one) may be used in diagnostic applications such as ultrasound and **MR imaging**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

112.14

112.29

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